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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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COUNTRY China

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SUBJECT Organization and Principal Projects of the Northeast Branch of the Academy of Science

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REFERENCES

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1. [REDACTED] the Northeast Branch of the Academy of Science¹ was the most significant research organization in China in terms of both personnel and equipment. YEN Chi-t'zu (0917/3444/1964)² was president of the Northeast Branch which controlled the following research institutes:
 - a. The Consolidated Research Institute in Ch'angoh'un (N 43-53, E 125-20), formed through the reorganization of the former Northeast Scientific Research Institute and which directed the work of the following research offices: Organic Chemistry Research Office; Inorganic Chemistry Research Office; Agricultural Chemistry Research Office; Civil Engineering Chemistry Research Office; Mechanics Research Office; Electricity Research Office; Mining Research Office; Physics Research Office; and Testing Office.
 - b. The Institute of Industrial Chemical Research, which was formed by expanding the former Industrial Chemical Research Office of the Northeast Scientific Research Institute, and which managed the following research offices: High-pressure Hydrogenation Research Office; High-grade Gasoline Research Office; Analytical Chemistry Research Office; Synthetic Fuel Research Office; and Pottery Research Office.
 - c. The Physics and Chemistry Research Institute, which was first established in Shanghai and transferred to Ch'angoh'un in November 1952, directed the work of the following research offices: Fluorescence Research Office; Spectrum Analysis Research Office; and Seed Bactericide Research Office. In late March this Institute was establishing additional research offices.
 - d. The Metals Research Institute, for which the plant was under construction and the apparatus ordered. This institute had established a Ch'iu Mo (3808/1075) Cast-iron Processing Research Office.

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e. The Apparatus Research Institute, which was established at Ch'angch'un by merging the Experiment Apparatus Factory of the Former Northeast Scientific Research Institute and the Optics Experiment Factory of the Applied Physics Research Institute in Peiping. [] the plant of the Apparatus Institute was under construction. The Institute expected to emphasize research concerning, and the manufacture of, industrial experiment machines, mechanics apparatus, and optical apparatus.

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f. The Civil Engineering Research Institute, which was formed by expanding the Civil Engineering Research Office of the former Northeast Scientific Research Institute. [] this institute's plant was under construction.

g. The Forestry Scientific Research Institute, which was formed by expanding the former Northeast Agriculture, Forestry, and Vegetation Research Institute.

h. A Military Sciences Research Institute which may have been established at Ch'angch'un or Harbin.

2. [] the most important projects for 1953 of the Northeast Branch of the Academy of Science, which had been determined at a full meeting of the Academy, included the following:

a. Studies by the Institute of Industrial Chemistry in high temperature (kao lu, 7559/3619) clay bricks, lubricating oil,³ and the processing of natural and synthetic petroleum.

b. Studies by the Synthetic Research Institute and the Institute of Physics and Chemistry at Ch'angch'un in abrasives (mo cho ts'ai liao, 4333/3820/2624/2436), spectrum analysis (chi p'u fen hsi, 2817/6225/0433/2649) of iron and steel (sic), wood pulp, and the knobs on the roots of soya bean plants.

c. Studies of the Metal Research Institute in the high grade steel of Anshan (N 41-04, E 122-57), processing of iron castings (ch'iu mo chu t'ieh, 3808/1075/6999/6993), and problems of heating steel and iron.

d. Studies of the Apparatus Research Institute in experimental production of the following: optical apparatus, machines for testing materials, and optical glass.

e. Studies by the Civil Engineering and Architectural Institute in the testing of the degree of dryness of lumber and the testing of soil for engineering projects.

f. Studies by the Forestry Institute in reforestation of lumbering areas, and establishing of nurseries in forest and sand hill areas.

g. Studies by the Mechanical and Electrical Engineering Institute, which was established in April 1953, of industrial uses of metal casting pressure (ya chu fa, 1090/6999/3127), supersonic sound detection (chao yin po t'an shang, 6389/7299/3134/2232/0281), and seven ray sound detection (ch'i she haien t'ou shih t'an shang, 0003/1410/8982/6631/6018/2232/0281).

Comments

1. [] the Northeast China Scientific Research Bureau became the Northeast China Branch of the Academy of Science, according to a broadcast from Peiping on 8 January 1953 [] This Northeast Branch

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had the following scientific research organs: the Consolidated Research Bureau at Ch'angch'un with more than ten research units on civil engineering, mining, mechanical science and so forth; the Industrial Chemical Research Bureau at Dairen, with research units on chemical analysis, high-grade gasoline, fuel combination, and pottery firing; the Research Bureau of General Physics and Chemistry, which was moved to Ch'angch'un from Shanghai; and scientific instrument manufacturing and researching unit. In addition, there were under construction or in preparation a Metals Research Bureau, and several specialized research bureaus on civil engineering, electrical engineering, soil, and forestry.

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